

<b>MAINTENANCE PLANNING GUIDELINES</b>	2006
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<b>ACTIVITY:</b> Roadway Shoulders (R225)  <p style="text-align: center;"><b>MAJOR &amp; MINOR</b></p>	<b>ACTION:</b> Blade Patching
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**DEFINITION:** The time and expenses incurred to expand installation and maintenance of asphalt concrete and aggregate roadway shoulder, approaches and clear zones.

**PURPOSE:** To restore shoulder shape, stability, and appearance of large surface failures by blade or machine.

<b>SCHEDULING:</b> As needed when pavement surfaces are 50°F or above. Reference the Incident Response Plan for priorities.	<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td>J</td><td>F</td><td>M</td><td>A</td><td>M</td><td>J</td><td>J</td><td>A</td><td>S</td><td>O</td><td>N</td><td>D</td> </tr> <tr> <td>A</td><td>E</td><td>A</td><td>P</td><td>A</td><td>U</td><td>U</td><td>U</td><td>E</td><td>C</td><td>O</td><td>E</td> </tr> <tr> <td>N</td><td>B</td><td>R</td><td>R</td><td>Y</td><td>N</td><td>L</td><td>G</td><td>P</td><td>T</td><td>V</td><td>C</td> </tr> <tr> <td> </td><td> </td> </tr> </table>	J	F	M	A	M	J	J	A	S	O	N	D	A	E	A	P	A	U	U	U	E	C	O	E	N	B	R	R	Y	N	L	G	P	T	V	C												
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<b>RECOMMENDED EQUIPMENT:</b> <ul style="list-style-type: none"> <li>• Motor Grader or Pull Paver</li> <li>• Asphalt Distributor</li> <li>• Roller</li> <li>• Dump Trucks</li> <li>• Broom</li> <li>• Traffic Control Equipment; (See <a href="#">EPG 616.23 Traffic Control for Field Operations</a>)</li> </ul>	<b>RECOMMENDED PROCEDURE:</b> <ol style="list-style-type: none"> <li>1. Place traffic control devices as needed.</li> <li>2. Broom area, if needed.</li> <li>3. Tack area.</li> <li>4. Spread material on tacked area.</li> <li>5. Roll patch.</li> <li>6. If using hot mix, allow mix to cool before turning over to traffic.</li> <li>7. Blot intersections and approaches as necessary</li> <li>8. Fly coat patches as necessary</li> <li>9. Remove work zone signs.</li> <li>10. If using cold mix, leave “Fresh Oil” and “Loose Gravel” signs in place until patch is cured.</li> <li>11. When cured, remove all traffic control signs.</li> </ol>
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<b>RECOMMENDED MATERIAL:</b> <ul style="list-style-type: none"> <li>• Liquid Asphalt – Tack Grades, and Fly Coating Asphalt</li> <li>• Cold Mix</li> <li>• Hot Mix</li> <li>• Blotting Material</li> </ul>	
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**SAFETY:** Flagger should warn motorists of fresh tack, fresh asphalt mix, moving equipment, windrow of materials, and where to drive. Care should be taken to remove excess asphaltic material. Wear all appropriate PPE. Refer to [Safety Policies, Rules & Regulations – Employee Handbook](#).

**OTHER CONSIDERATIONS:** Care should be taken to maintain proper drainage.

**REFERENCES:** Missouri Standard Specifications for Highway Construction; Sections [401](#), [1004](#), [1015](#).